

WHAT IS ENGINEERING?

Engineering is behind everything, from your mobile phone to the clothes that you wear and even the can which contains your favourite drink. Every product has been researched, designed, developed, tested and in some cases made by an engineer.

Engineering plays a major part in a wide variety of industries such as automotive, medical, electronics and space exploration to name a few!

WHAT IS AN ENGINEER?

An engineer is a problem solver who uses maths and science to build things, maintain things and turn things into reality.

Engineering can be an excellent career choice for someone that has the aptitude, a keen interest and a logical approach to problem solving. It will enable you to create, test and design things that solve the world's problems and it will offer endless growth opportunities.

"I thoroughly enjoy my role working at the MRC in the estates team where the diversity of the work and the systems we maintain have enabled me to develop a broad understanding of Engineering theory whilst feeling like I am making a difference to the operation of the highly complex life science research unit."

Hareet – Building Maintenance Engineer – Level 3 Apprenticeship





"My role involved me fixing helicopters. They are really interesting machines and I am constantly learning new ways of solving problems and I meet very knowledgeable and interesting people. My ambition is to be an air crash investigator and so my apprenticeship is an excellent way to help me work towards that."

Alice – Mechanical Engineer – Level 3 Apprenticeship

WHAT IS AN APPRENTICESHIP?

An apprenticeship is a brilliant way to kick-start your career and allows you to learn, gain experience and get paid. As an apprentice you would be employed by a company who commits to train you as part of your job or organisation in order to build your skills and knowledge.

An apprenticeship can take between one and four years to complete depending on the level of the qualification and your previous experience.

WHO WE ARE AND WHAT WE DO

We are a training provider who works alongside employers across the UK to deliver apprenticeships within their businesses. We specialise in the delivery of engineering, manufacturing and maintenance apprenticeships working within a number of different sectors.

See the back cover for more information about the recruitment process.

WHERE CAN AN APPRENTICESHIP TAKE YOU?

The engineering and manufacturing sectors have a rich history of using apprenticeships to bring talented people into the industry. Many apprentices progress into more senior roles using the skills and knowledge they gained during their training to make an impact, not only within the business they start in, but in the wider industry too.

JOB EXAMPLES

RACHEL. Level 4 Manufacturing Technician



A Manufacturing Technician provides specialist technical support to engineers, helping organisations develop, produce, or test products and processes to meet customer specifications efficiently. They gather and analyse data, solve problems, and produce technical

documentation related to quality, reliability, production, and costing. They report to engineering or manufacturing managers and operate with autonomy, applying technical expertise to complex, non-routine tasks while contributing to continuous improvement initiatives.

Industry examples: All manufacturing companies, motorsport teams, medical, aerospace.

HAREET. Level 3 Building Services Technician



A Building Services Technician is a specialist field centred around ensuring buildings function effectively through the maintenance of systems and equipment, monitoring and managing the operation of plant and equipment through building and energy

management systems. They work independently across sites, interacting with clients, suppliers, and site teams, while ensuring health and safety, environmental compliance, and system performance. Their responsibilities include fault diagnosis, repairs, inspections, and maintaining detailed records to support system efficiency, longevity, and regulatory compliance.

Industry examples: Building management companies, organisations with large campuses or complex buildings.

ADAM. Level 2 Machining Operative



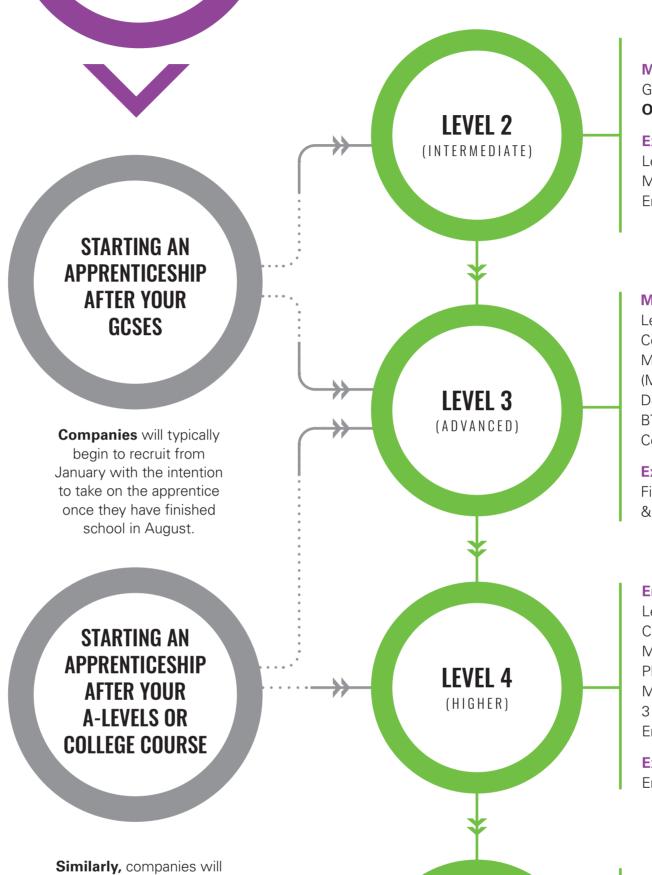
A Machining Operative plays a vital role in the engineering and manufacturing sector by operating and maintaining CNC or conventional machines, cutting blocks of metal into complex and intricate items. They work independently or in teams, following job

documentation and safety regulations, and are responsible for the quality, accuracy, and timely delivery of their work. Their role includes preparing materials, conducting quality checks, and supporting technical processes, with skills that are transferable across various engineering disciplines.

Industry examples: Machining companies, manufacturing companies, motorsport teams, medical, aerospace.

THE Apprenticeship Journey

Apprenticeships are an awesome way to progress your learning whilst also earning. You can start at a level 2 and work your way up or jump on at any point, depending on your prior learning and the role a company has employed you to do.



Minimum entry requirements: GCSE's 3-1 (D to G) **OR** BTEC Level 1 **OR** NVQ Level 1

Example Apprenticeships:
Lean Manufacturing Operative / Science
Manufacturing Process Operative /
Engineering Operative

Minimum entry requirements:

Level 2 Apprenticeship (Engineering,
Construction, Built Environment, IT,
Manufacturing) **OR** GCSE's 9-4 (A* to C)
(Maths / Science (ideally triple science) /
D&T / ICT / Computing / Engineering) **OR**BTEC Level 2 / NVQ Level 2 (Engineering,
Construction & Built Environment, Science, ICT).

Example Apprenticeships: Engineering Fitter / Engineering Technician / Maintenance & Operations Engineering Technician

Entry requirements:

Level 3 Apprenticeship (Engineering, Construction, Built Environment, IT, Manufacturing) **OR** A levels (Maths / Physics / D&T / IT / Chemistry / Further Maths) **OR** BTEC Level 3 / NVQ Level 3 (Engineering / Construction & Built Environment / Science / ICT).

Example Apprenticeships:Engineering Manufacturing Technician

Level 5 is a Foundation degree with the ability to progress to higher education, including university degrees. Degree apprenticeships sit at level 6 or 7.

WHAT YOU NEED TO BE AN APPRENTICE

start to recruit from January.

However, there is more flexibility as people aged

18+ do not have to be in

education and therefore

can start an apprenticeship

at any time of the year.



Enthusiasm

LEVEL 5 - 7

(HIGHER)

Keen to learn





Commit to a full time Job

RECRUITMENT PROCESS LET'S START YOUR JOURNEY! Application -One application, Our talent pool is made up of applicants many opportunities who have successfully completed the first steps of our recruitment process. **Online Interview Vocational Aptitude** Talent pool with ETT **Assessment Shortlisting Employer Interviews** Start of and Selection your apprenticeship

Visit: gov.uk/become-apprentice



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